

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070820\
 Data File : VW015816.D
 Acq On : 08 Jul 2020 18:07
 Operator : SY/VA
 Sample : L3203-17
 Misc : 5.54G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-16

Quant Time: Jul 09 04:42:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	163296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	288704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122675	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	104967	62.42	ug/l	0.00
Spiked Amount			Recovery	=	124.84%	
35) Dibromofluoromethane	7.88	113	91249	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	
50) Toluene-d8	10.32	98	364665	56.36	ug/l	0.00
Spiked Amount			Recovery	=	112.72%	
62) 4-Bromofluorobenzene	12.62	95	128425	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	

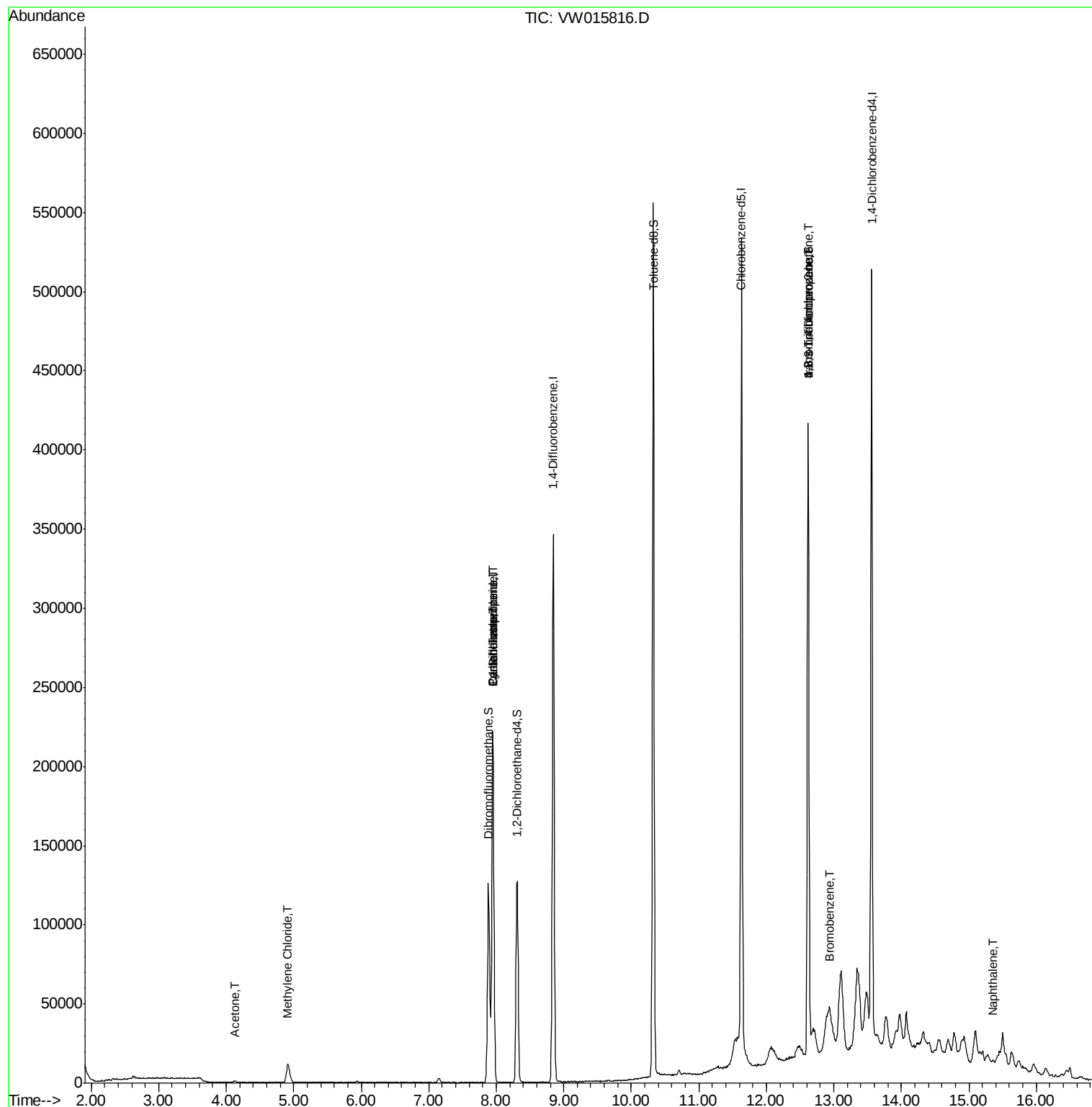
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	1777	5.648	ug/l #	86
20) Methylene Chloride	4.91	84	9732	1.610	ug/l	92
31) Cyclohexane	7.95	56	4008	1.377	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	13776	4.841	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16616	6.034	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	68434	63.474	ug/l #	1
77) Bromobenzene	12.93	156	45663	23.564	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	68434	136.946	ug/l #	7
95) Naphthalene	15.36	128	549	2.941	ug/l #	60

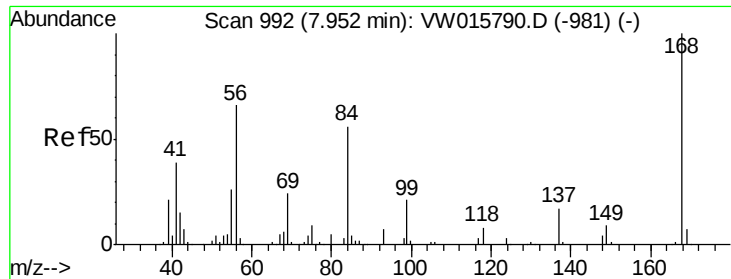
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015816.D

Acq: 08 Jul 2020 18:07

Instrument :

MSVOA_W

ClientSampled :

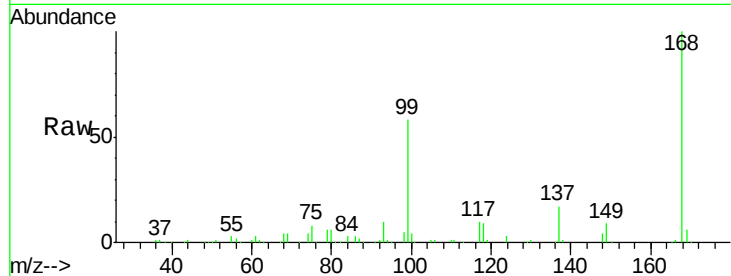
RO-16

Tot Ion:168 Resp: 163296

Ion Ratio Lower Upper

168 100

99 58.1 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

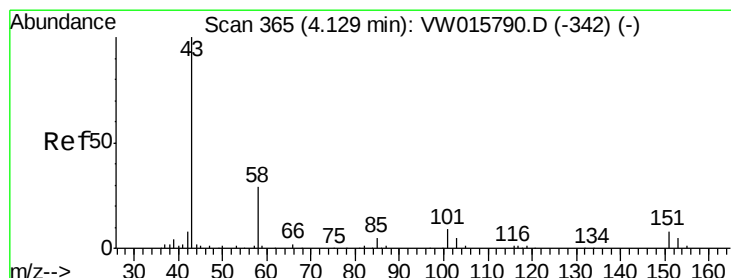
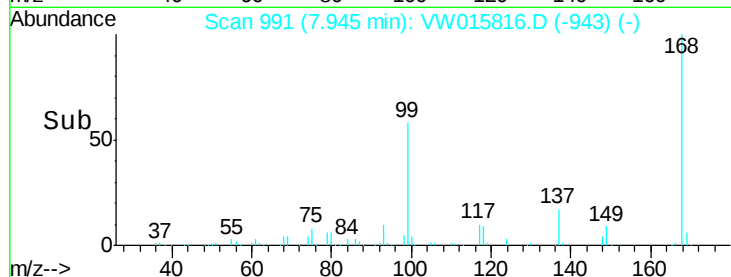
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 5.648 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015816.D

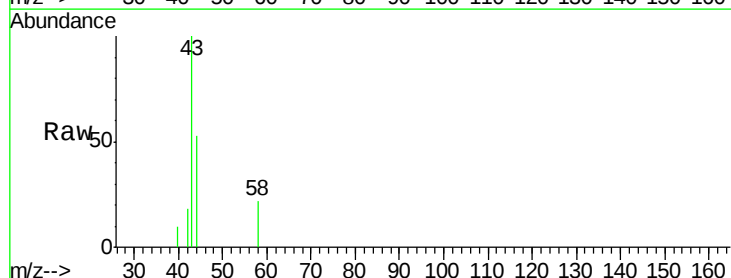
Acq: 08 Jul 2020 18:07

Tgt Ion: 43 Resp: 1777

Ion Ratio Lower Upper

43 100

58 21.7 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

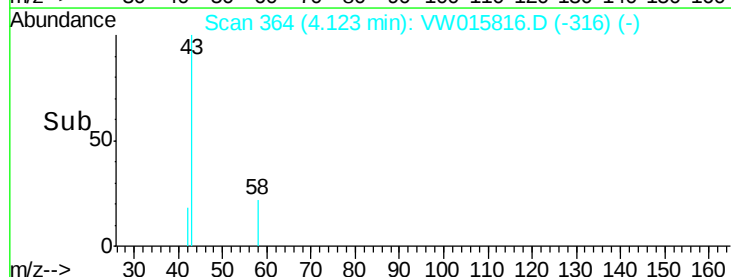
600

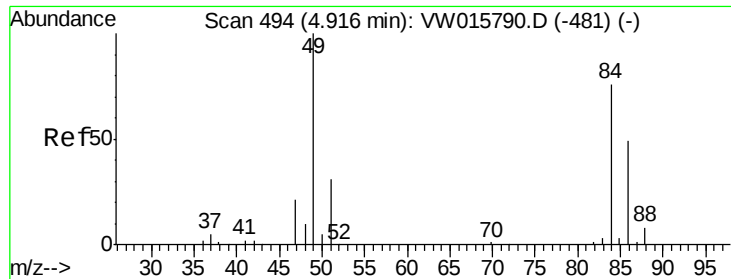
400

200

0

Time--> 4.05 4.10 4.15 4.20 4.25

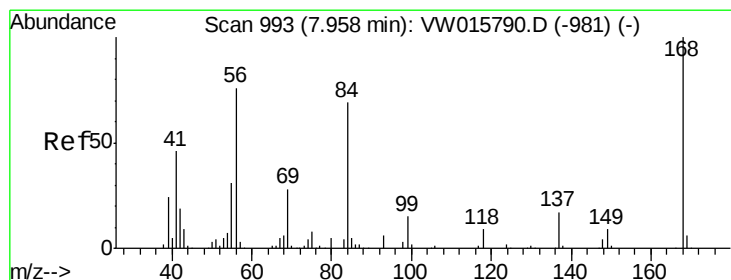
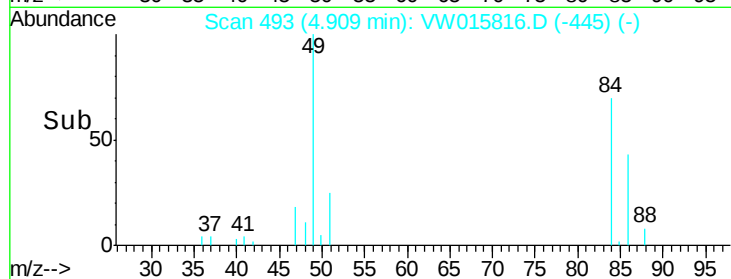
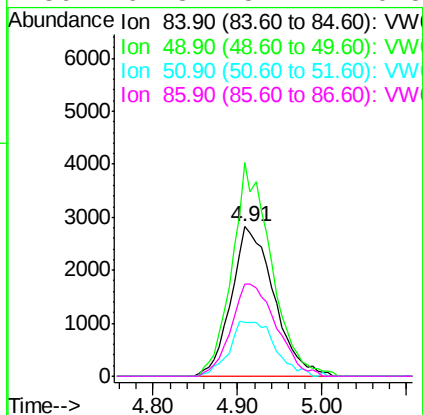
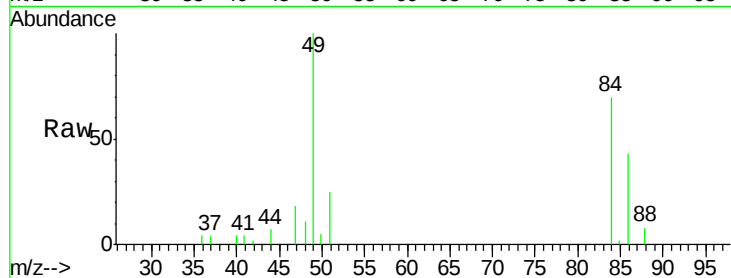




#20
Methvlene Chloride
Concen: 1.610 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015816.D
Acq: 08 Jul 2020 18:07

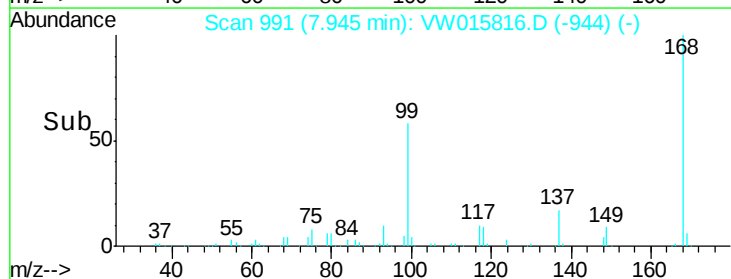
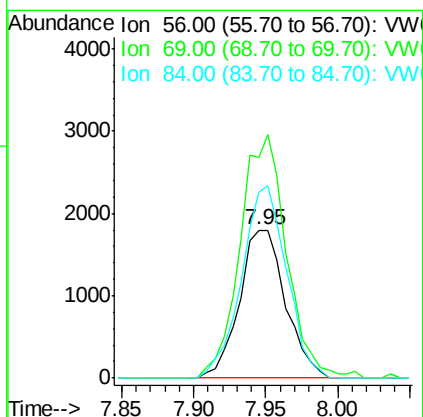
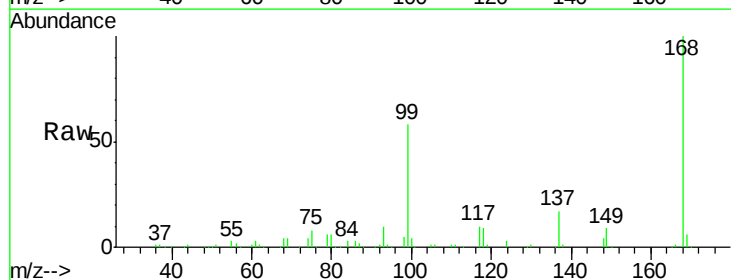
Instrument :
MSVOA_W
ClientSampleId :
RO-16

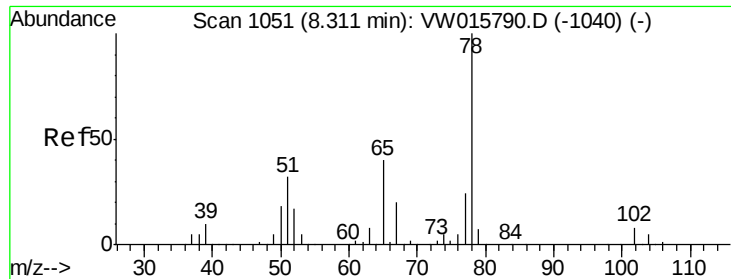
Tot Ion:	84	Resp:	9732
Ion	Ratio	Lower	Upper
84	100		
49	142.9	105.0	157.6
51	35.7	32.3	48.5
86	61.3	51.2	76.8



#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015816.D
Acq: 08 Jul 2020 18:07

Tgt Ion:	56	Resp:	4008
Ion	Ratio	Lower	Upper
56	100		
69	149.1	28.9	43.3#
84	125.4	72.2	108.4#

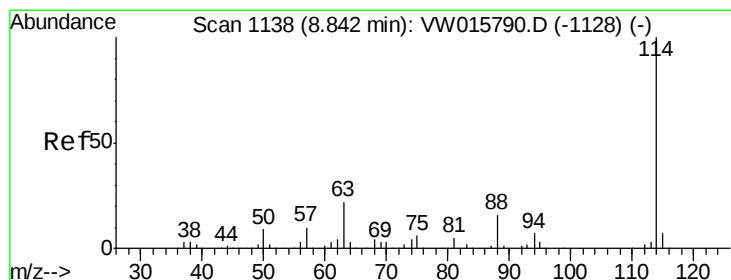
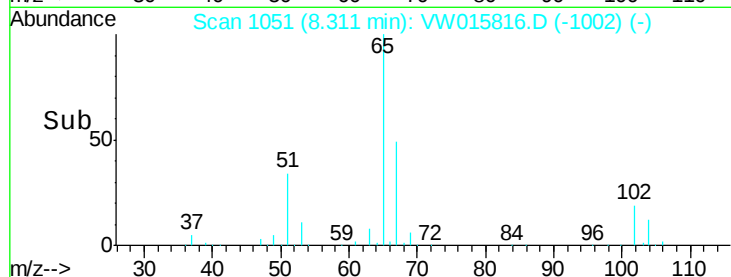
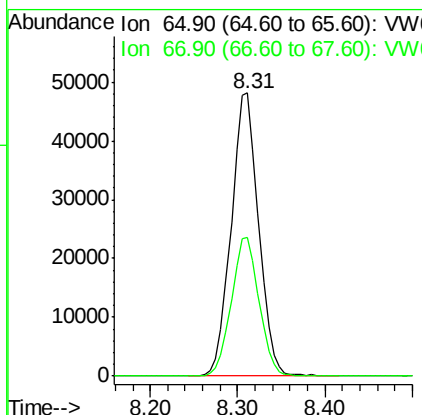
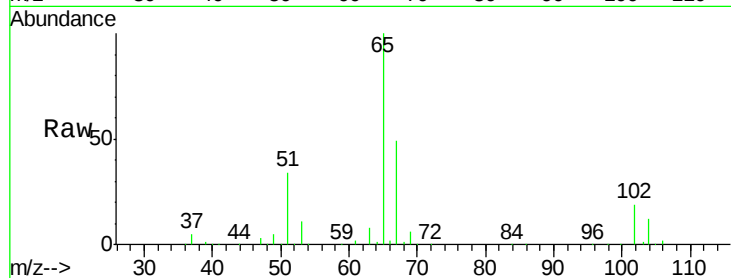




#33
 1,2-Dichloroethane-d4
 Concen: 62.423 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW015816.D
 Acq: 08 Jul 2020 18:07

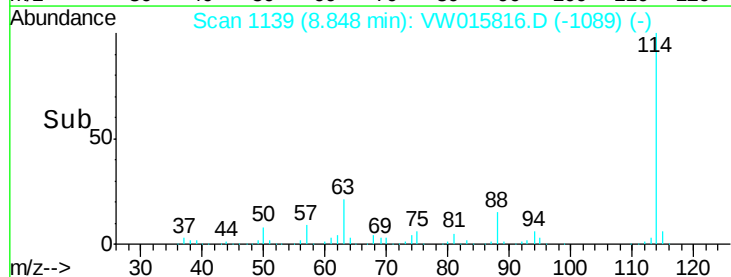
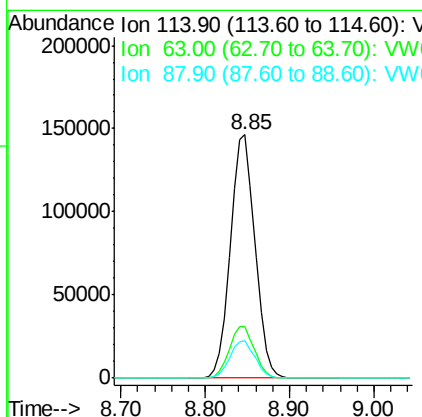
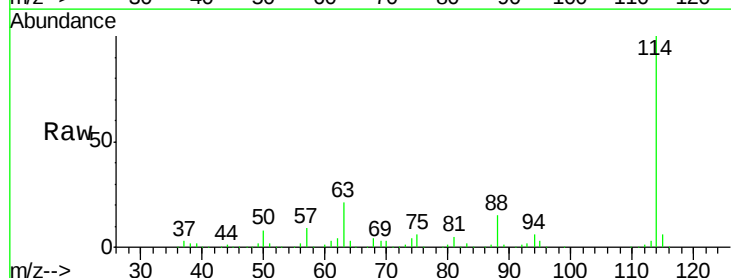
Instrument :
 MSVOA_W
 ClientSampled :
 RO-16

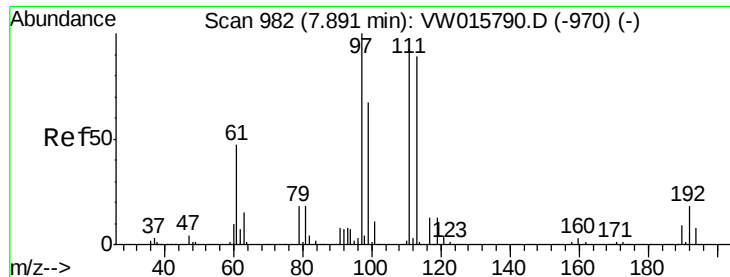
Tot Ion: 65 Resp: 104967
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015816.D
 Acq: 08 Jul 2020 18:07

Tgt Ion: 114 Resp: 288704
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.4
 88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.175 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW015816.D

Acq: 08 Jul 2020 18:07

Instrument :

MSVOA_W

ClientSampleId :

RO-16

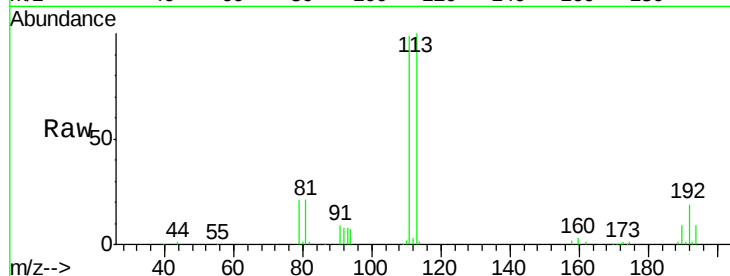
Tot Ion:113 Resp: 91249

Ion Ratio Lower Upper

113 100

111 100.9 82.8 124.2

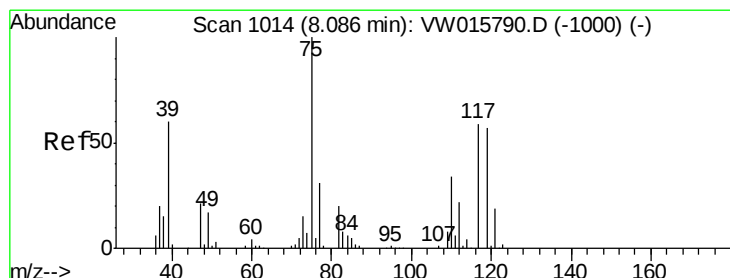
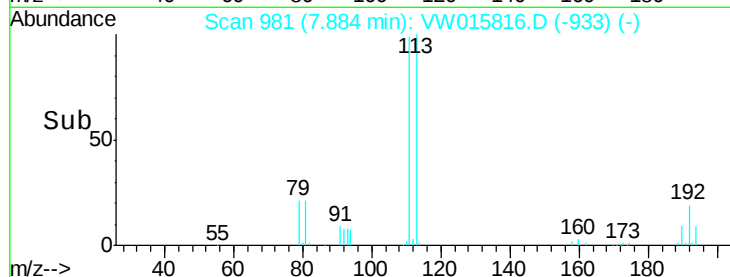
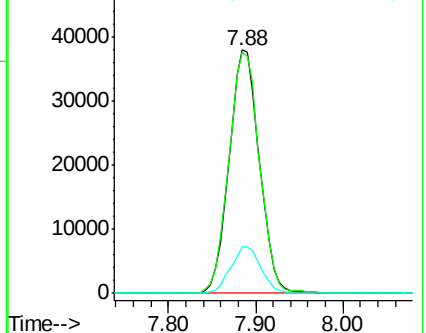
192 19.0 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.841 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015816.D

Acq: 08 Jul 2020 18:07

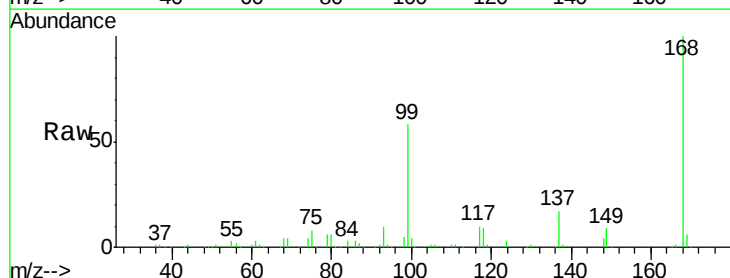
Tgt Ion: 75 Resp: 13776

Ion Ratio Lower Upper

75 100

110 9.3 16.8 50.3#

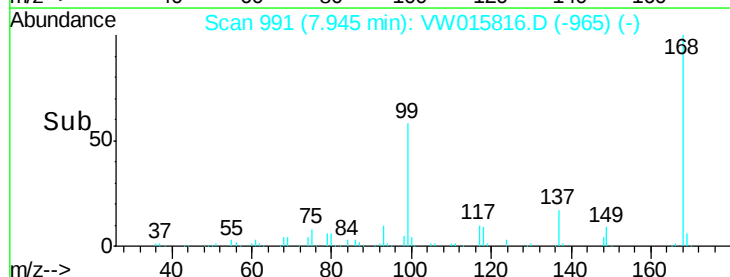
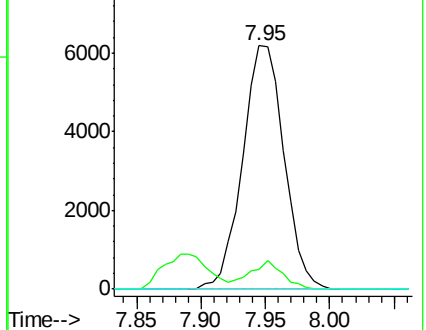
77 0.0 24.7 37.1#

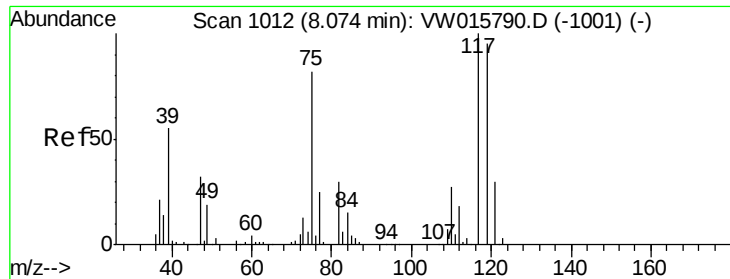


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

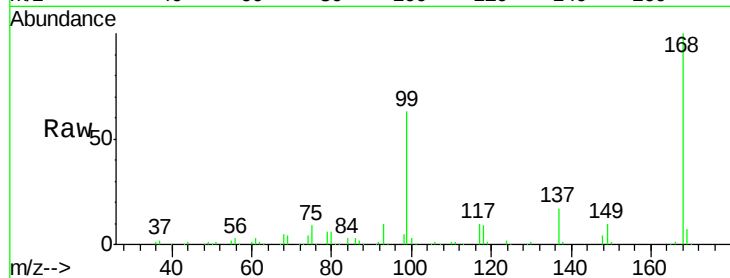




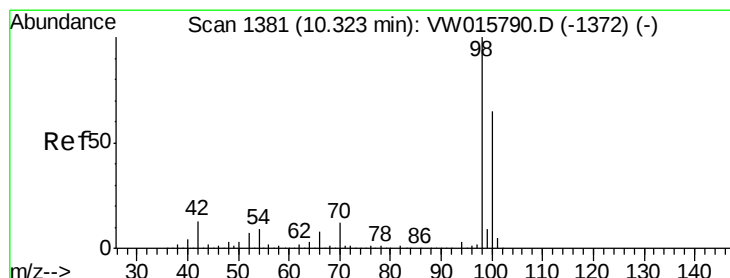
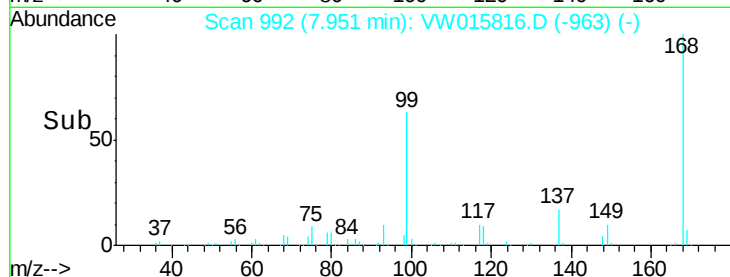
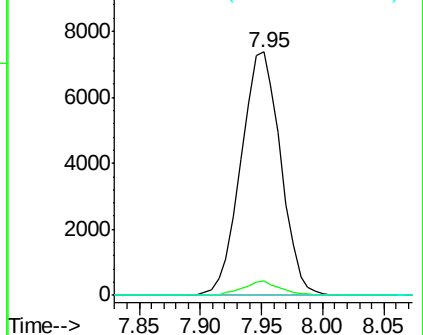
#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015816.D
Acq: 08 Jul 2020 18:07

Instrument :
MSVOA_W
ClientSampleId :
RO-16

Tot Ion:117 Resp: 16616
Ion Ratio Lower Upper
117 100
119 5.8 76.3 114.5#
121 0.0 24.0 36.0#

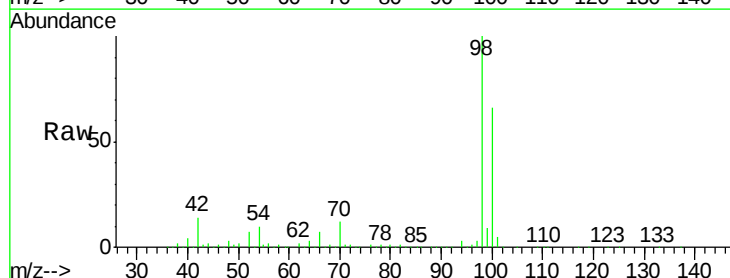


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

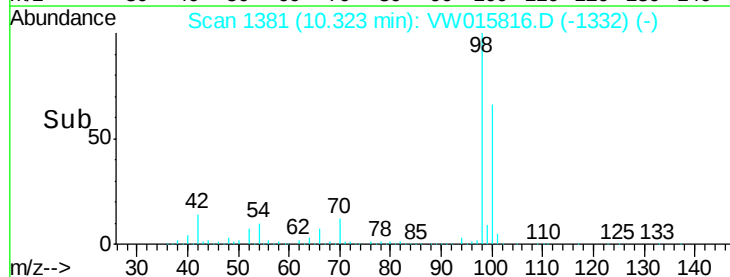
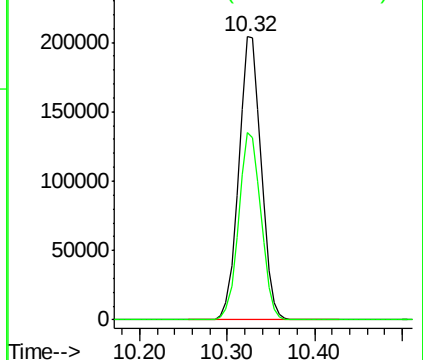


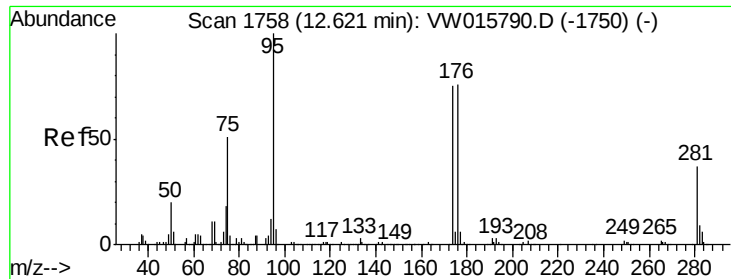
#50
Toluene-d8
Concen: 56.364 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015816.D
Acq: 08 Jul 2020 18:07

Tgt Ion: 98 Resp: 364665
Ion Ratio Lower Upper
98 100
100 65.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 54.095 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW015816.D

Acq: 08 Jul 2020 18:07

Instrument :

MSVOA_W

ClientSampleId :

RO-16

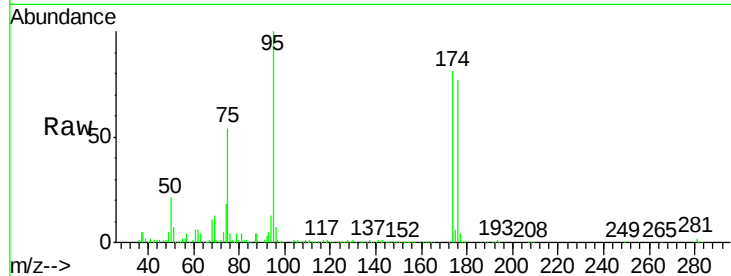
Tot Ion: 95 Resp: 128425

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.2

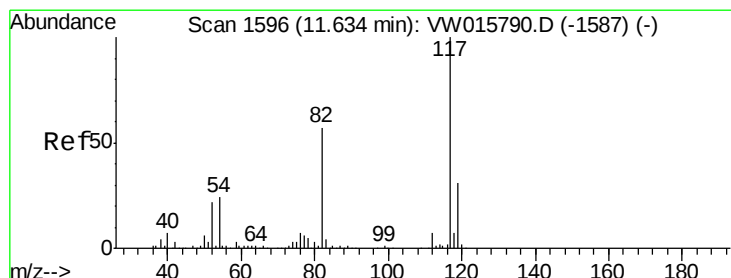
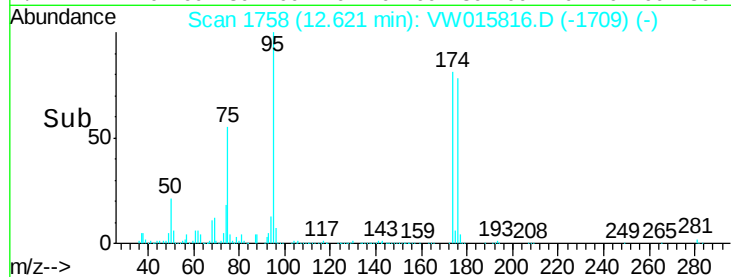
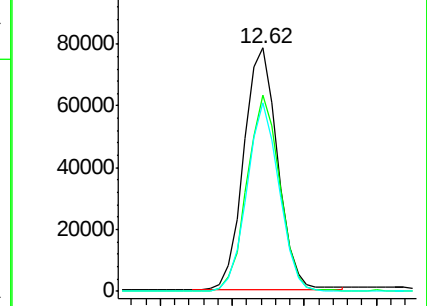
176 73.4 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW015816.D

Acq: 08 Jul 2020 18:07

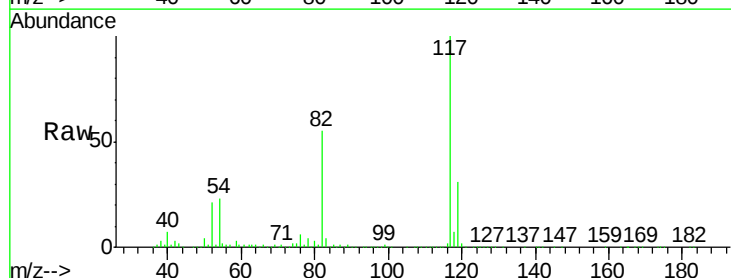
Tgt Ion: 117 Resp: 275793

Ion Ratio Lower Upper

117 100

82 55.1 45.5 68.3

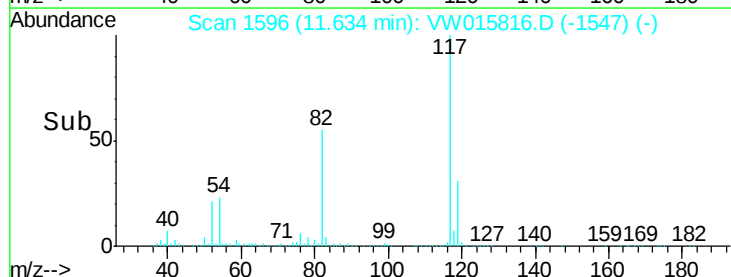
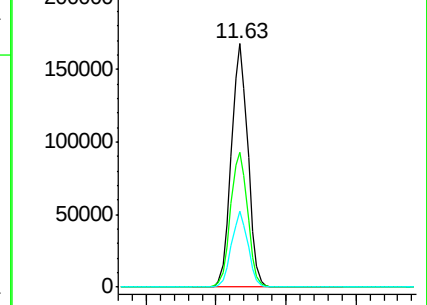
119 31.1 25.0 37.6

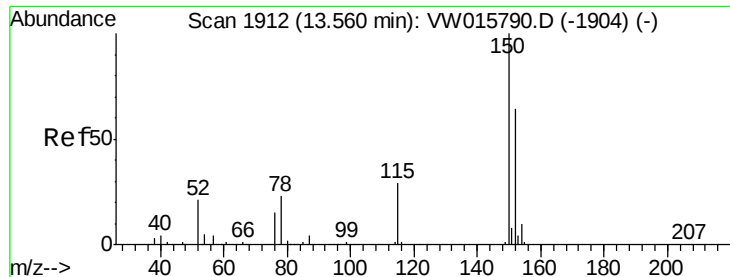


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



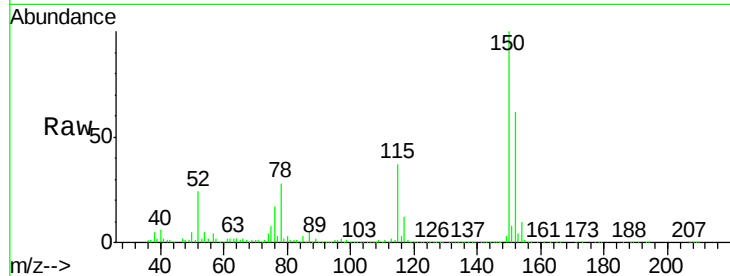


#72

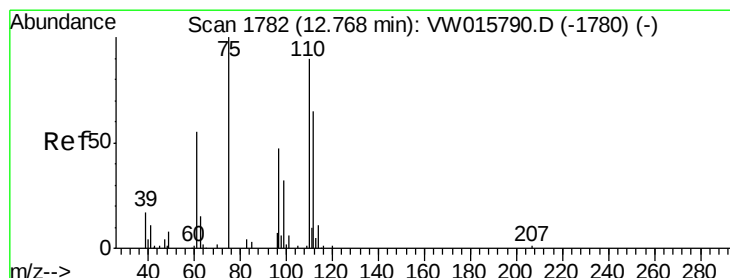
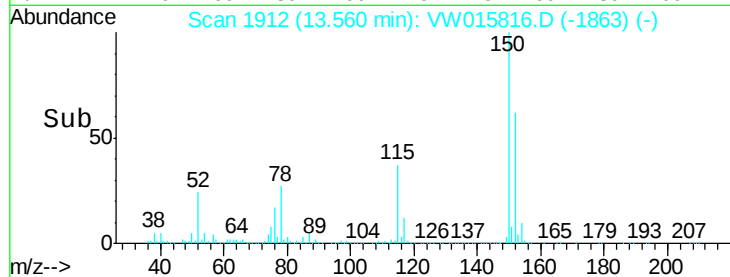
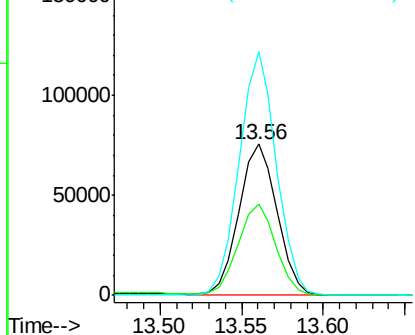
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015816.D
Acq: 08 Jul 2020 18:07

Instrument :
MSVOA_W
ClientSampled :
RO-16

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.9	89.7
150	156.8	0.0	350.8



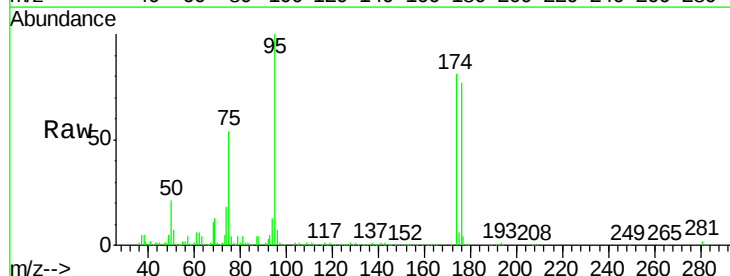
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



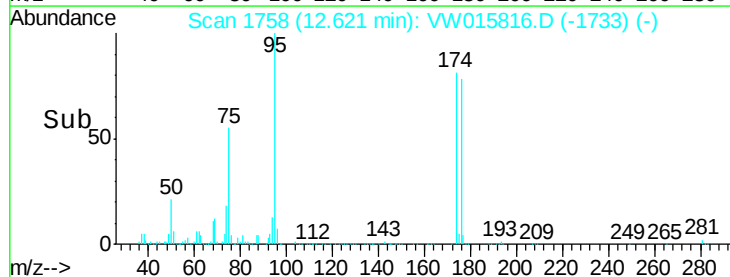
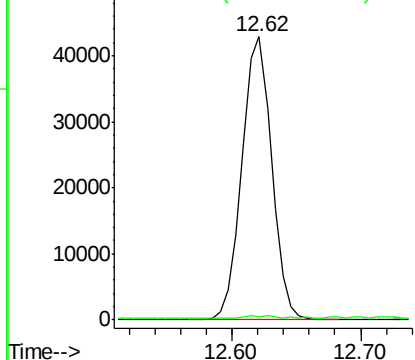
#76

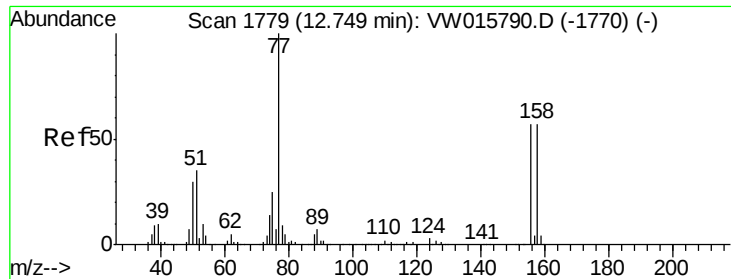
1,2,3-Trichloropropane
Concen: 63.474 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW015816.D
Acq: 08 Jul 2020 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	177.3	532.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 23.564 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW015816.D

Acq: 08 Jul 2020 18:07

Instrument :

MSVOA_W

ClientSampled :

RO-16

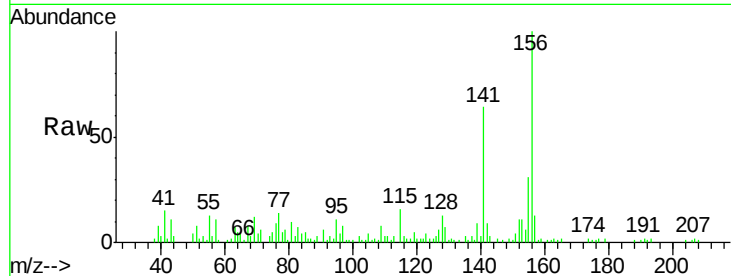
Tot Ion:156 Resp: 45663

Ion Ratio Lower Upper

156 100

77 0.0 98.8 296.4#

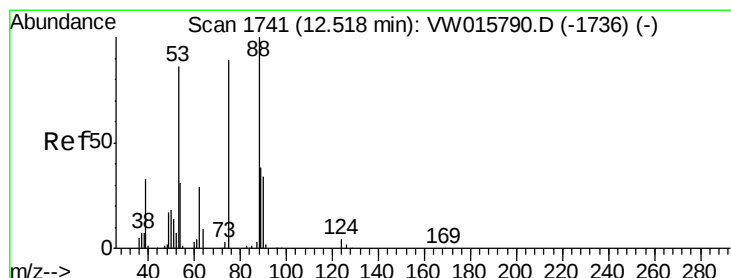
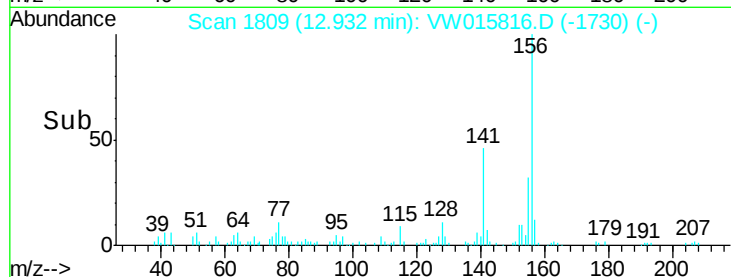
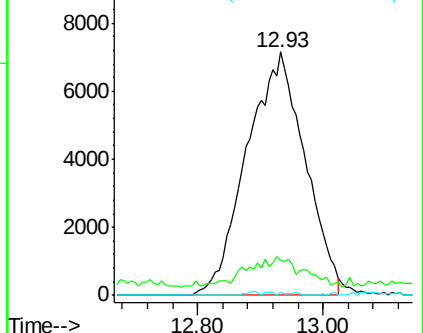
158 0.2 50.0 149.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 136.946 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW015816.D

Acq: 08 Jul 2020 18:07

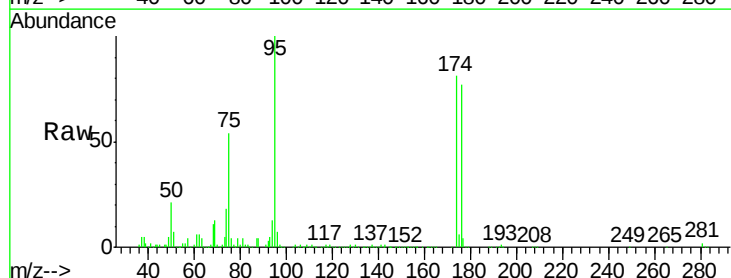
Tgt Ion: 75 Resp: 68434

Ion Ratio Lower Upper

75 100

53 0.7 85.9 128.9#

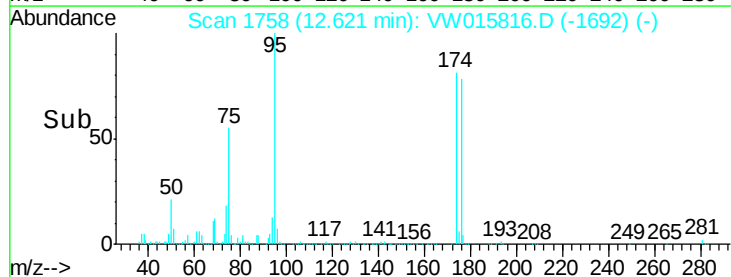
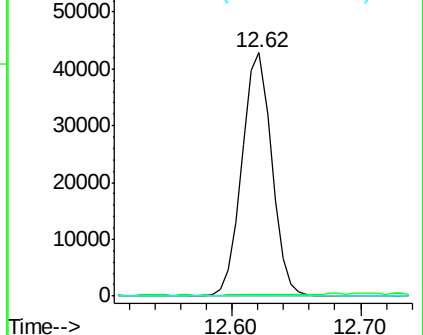
89 0.0 36.2 54.4#

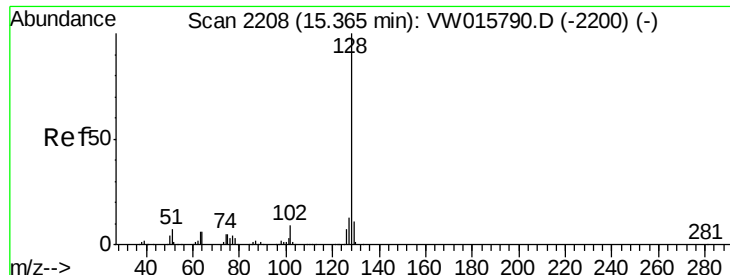


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 2.941 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015816.D
Acq: 08 Jul 2020 18:07

Instrument :
MSVOA_W
ClientSampleId :
RO-16

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	29.0	8.7	13.1#

